

IN THE CLAIMS

1. (Previously Presented) Brush holder (2) for a vehicle alternator having a housing with a bearing (36), said brush holder (2) comprising:

an insulating support (4) having an opening (22);

a heat dissipating means (14, 26) having a metallic seat fixed to the support (4);

and an electrical circuit comprising a semiconductor control component (12), ~~in which~~
wherein the seat (14) ~~on the one hand~~ receives for fixing on one of its faces the control component (12) ~~by means of~~ within an opening (22) in the support (4) so that said control component (12) is fixed to the seat (14) at a position in said opening, and ~~on the other hand~~
the seat (14) belongs to defines a part of the heat dissipation means (14, 26) which is in contact with an ambient environment and arranged so as to receive heat from the control component (12), and wherein the seat is separate from the bearing (36) and not in contact with said bearing (36), said seat is ~~mounted~~ partially embedded within a thickness of the support (4) and the seat receives on the other of its faces a heat dissipator so that the heat dissipation means (14, 26) is composed of two distinct and adjacent parts;

~~wherein the dissipator (26) has a coefficient of expansion greater than that of the seat.~~

2-3. (canceled)

4. (Previously presented) Brush holder according to claim 1, wherein the support (4) is

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moulded onto the seat (14).

5. (Previously presented) Brush holder according to claim 1, wherein the support (4) is moulded onto the dissipator (14, 26).

6. (Previously presented) Brush holder according to claim 1, wherein the dissipator (26) is attached to the support (14).

7. (Previously presented) Brush holder according to claim 6, wherein the dissipator (26) is fixed to the support (4) by screws (34).

8. (Previously presented) Brush holder according to claim 1, wherein it comprises a heat-conducting layer (30) interposed between the seat (14) and the dissipator.

9. (Previously presented) Brush holder according to claim 1, wherein the seat (14) and the dissipator (26) are in direct contact.

10. (Previously presented) Brush holder according to claim 9, wherein at least one (14) from amongst the seat (14) and dissipator (26) has projecting reliefs (38) able to enter the

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material of the other one (26) from amongst a base and dissipator when they are placed in the operating position of the brush holder.

11. (Previously presented) Brush holder according to claim 1, wherein the dissipator (26) is metallic.

12. (canceled)

13. (Previously presented) Vehicle alternator, comprising: a brush holder according to claim 7, at least one of the screws (34) for mounting the dissipator (26) on the support (4) providing the fixing of the brush holder (2) to a housing of the machine, and a thermally insulating element (37) is interposed between the head of each screw (34) and the dissipator (36).

14. (canceled)

15. (New) Brush holder according to claim 1, wherein the dissipator (26) has a coefficient of expansion greater than that of the seat.

REMARKS

The Examiner is thanked for the Final Action dated March 01, 2004 and the indication of allowable subject matter (claim 10). This amendment and remarks to follow are intended to be